

Title (en)
FLUID MACHINE

Title (de)
STRÖMUNGSMASCHINE

Title (fr)
MACHINE HYDRAULIQUE

Publication
EP 3505763 A4 20200101 (EN)

Application
EP 17843550 A 20170822

Priority
• JP 2016162709 A 20160823
• JP 2017029851 W 20170822

Abstract (en)
[origin: EP3505763A1] Provided is a fluid machine configured such that liquid supplied to a working chamber from the outside of the fluid machine is dispersed extensively in the working chamber. This fluid machine is constituted of a screw rotor and a casing for accommodating the screw rotor and is provided with a liquid supply section for supplying liquid into a working chamber from the outside. The liquid supply section is configured so that liquid is dispersed in the longitudinal direction of the tooth groove of the screw rotor rather than in the width direction thereof.

IPC 8 full level
F04C 18/16 (2006.01); **F04C 29/00** (2006.01); **F04C 29/04** (2006.01)

CPC (source: EP US)
F04C 18/16 (2013.01 - EP US); **F04C 29/0007** (2013.01 - EP US); **F04C 29/023** (2013.01 - US); **F04C 29/028** (2013.01 - US);
F04C 29/042 (2013.01 - EP US); **F04C 2250/20** (2013.01 - US); **F05B 2260/98** (2013.01 - EP US)

Citation (search report)
• [XA] EP 1666729 A1 20060607 - DAIKIN IND LTD [JP]
• [XI] GB 1196846 A 19700701 - GRINPRESS BORIS LAZAREVICH [RU], et al
• See also references of WO 2018038070A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3505763 A1 20190703; EP 3505763 A4 20200101; EP 3505763 B1 20240417; CN 109563835 A 20190402; CN 109563835 B 20200918;
JP 2020169646 A 20201015; JP 6728364 B2 20200722; JP 6986117 B2 20211222; JP WO2018038070 A1 20190620;
US 11149734 B2 20211019; US 2019170143 A1 20190606; WO 2018038070 A1 20180301

DOCDB simple family (application)
EP 17843550 A 20170822; CN 201780049481 A 20170822; JP 2017029851 W 20170822; JP 2018535673 A 20170822;
JP 2020114275 A 20200701; US 201716323595 A 20170822